

A1
cont. fertilized ovum.

Please amend the paragraph beginning at page 1, line 21 as follows:

Hitherto, an assisted reproductive technology (ART) has been established, not only in a veterinary field but also in a human sterility treatment. In this ART a spermatozoon and an ovum are fertilized in vitro in a culture system to prepare a fertilized ovum (a zygote). Then the fertilized ovum can be cultured via cleavage, morula and blastocyst stages to a hatching-blastocyst stage, a late blastula stage wherein azona pellucida is denatured and disappeared, and the fertilized ovum at the stages from cleavage to blastula stage are transplanted in an uterus to obtain a baby.

Please amend the paragraph beginning at page 8, line 4 as follows:

A3 In the first embodiment of the present invention is a carrier for co-culturing a fertilized ovum of an animal.

IN THE CLAIMS

Please amend the claims as shown in the marked-up copy to read as follows:

A4 1. (Amended) A carrier for co-culturing with a fertilized ovum of an animal comprising a cell incorporated type three-dimensionally reconstructed tissue for co-culturing the fertilized ovum of an animal for the purpose of adhesion and three-dimensional growth of the fertilized ovum.

2. (Amended) The co-culturing carrier according to Claim 1, wherein the cell incorporated type three-dimensionally reconstructed tissue is reconstructed from one or more biological materials which contain at least one cell and are derived from animals selected from the group consisting of cells, tissues, and organs.

3. (Amended) The co-culturing carrier according to Claim 1, wherein the cell